

REMARKS

2-3. Objections.

- 5 The Examiner objected to the Abstract, stating that "the form and legal phraseology often used in patent Claims, such as "comprises" or "comprised" should be avoided."

In response to the Objection, Applicant has provided a Replacement Abstract.

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4-5. 35 U.S.C. § 102. Rejections.

The Examiner has rejected Claims 1-20 under 35 U.S.C. § 102(e) as being anticipated by U. S. Patent No. 5,727,135 ("Onaga").

15 Applicant respectfully submits that Onaga properly refers to U.S. Patent No. 5,862,404, issued 19 January 1999, as seen in Form PTO-892, Item C, submitted within the Office Action filed by the Examiner, which was mailed to Applicant on 06 April 2001, for the above-identified patent application.

20 With regard to Claim 1, the Examiner stated that "Onaga teaches a printing system (e.g. Figure 1, comprising: a network (160); and output printing device (110e,110b, or 180) capable of receiving print jobs from said network and printing said print jobs, said output printing device having at least one of said plurality of features, said output printing device having at least one of said plurality of

features output to said network (e.g. Figure 1 and col. 3, lines 43-60); at least one client computer (150) connected to said network, said at least one client computer having at least one said print job (e.g. figure 1); and an administrative link (e.g. col. 5, lines 18-34) connected to said network, said administrative link 5 capable of receiving and displaying said at least one of said plurality of features from said output printing device, and displaying said status information regarding each of said at least one client computers (e.g. 2, 3a and 3b)."

Applicant has amended independent Claim 1, to claim that the administrative link 10 which is connected to the network is capable of "managing at least one of the sent print jobs on the output printing device". Applicant has also amended independent Claim 11, to claim that the process further comprises "managing the at least one of the sent print jobs on the at least one printing output device within the single application at the computer." Support is seen in the application as 15 filed, at least on page 31, line 9 to page 37, line 2; and in Figure 2, Figure 3, and Figure 28.

Applicant respectfully submits that, while Onaga discloses "a file server", which obtains "device status information" from a peripheral device, and "stores this 20 information as a file readable by the workstations", as described at least in the Abstract, the structure is significantly different from the claimed structure of the invention, as amended. In regard to Claim 1, there is no disclosure of an administrative link connected to a network in Onaga, which is "capable of receiving and displaying at least one of a plurality of features from the output

printing device, displaying the status information regarding each of at least one of the print jobs sent to the output printing, and managing at least one of the sent print jobs on the output printing device". In regard to Claim 11, there is no disclosure of a process in Onaga which is capable of "displaying the feature 5 information and the status information within a single application at the computer" and "managing the at least one of the sent print jobs on the at least one printing output device within the single application at the computer."

Applicant therefore respectfully submits that amended independent Claims 1 and 10 11 overcome the rejections under 35 U.S.C. §102(e). Because Claims 2-10 depend from independent Claim 1, and Claims 12-20 depend from independent Claim 11, and inherently contain all the limitations of the claims from which they depend, Applicant respectfully submits that they are patentable as well.

15 Applicant has also amended the Specification, Claims 2-10 and Claims 11-20, to correct minor errors.

CONCLUSION

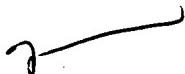
Applicant therefore respectfully submits that Claims 1-20, as amended, overcome the rejections set forth in the Office Action. Based on the foregoing,

5 Applicant considers this patent application to be in condition for allowance.

Applicant earnestly solicits the Examiner's withdrawal of the rejections set forth in the Office Action, such that a Notice of Allowance is forwarded to Applicant, and the application is therefore allowed to issue as a United States patent.

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Respectfully Submitted,



Michael A. Glenn

Reg. No. 30,176

15 Customer No. 22862

Marked-Up Version to Show Changes to Claims

1. (Amended) A printing system, comprising:
 - a network;
 - 5 an output printing device connected to [said] the network capable of receiving print jobs from [said] the network and printing [said] the print jobs, [said] the output device having a plurality of features, [said] the output printing device having at least one of [said] the plurality of features output to [said] the network;
 - 10 at least one client computer connected to [said] the network, [said] the at least one client computer having at least one [said] of the print jobs; and
 - an administrative link connected to [said] the network, [said] the administrative link capable of receiving and displaying [said] the at least one of [said] the plurality of features from [said] the output printing device, [and] displaying [said] the status information regarding each of [said] at least one of the 15 print jobs sent to [any of said] the output printing device[s] from [each] at least one of [said] the at least one client computers, and managing at least one of the sent print jobs on the output printing device.
2. (Amended) The printing system of Claim 1, wherein [said] the output printing device is a printer.
- 20 3. (Amended) The printing system of Claim 1, wherein [said] the output printing device is a copier printer.

4. (Amended) The printing system of Claim 1, wherein [said] the at least one of [said] the plurality of features [is a] comprises paper input tray information.
5. (Amended) The printing system of Claim 1, wherein [said] the at least one of [said] the plurality of features [is a] comprises toner level information.
6. (Amended) The printing system of Claim 1, wherein [said] the at least one of [said] the plurality of features [is] comprises fuser level information.
- 10 7. (Amended) The printing system of Claim 1, wherein [said] the at least one of [said] the plurality of features [is] comprises paper output tray information.
- 15 8. (Amended) The printing system of Claim 1, wherein [said] the at least one of [said] the plurality of features [is] comprises output printing device service information.
9. (Amended) The printing system of Claim 1, further comprising:
a print server located between [said] the network and [said] the output printing device, [said] the print server capable of receiving [said] the print jobs from [said] the network and sending [said] the print jobs to [said] the output printing device, and capable of receiving [said] the at least one of [said] the plurality of features from [said] the output printing device and sending [said] the received at least one of [said] the plurality of features through [said] the network connection to [said] the administrative link.

10. (Amended) The printing system of Claim 1, further comprising:

a client print server link on at least one of [said] the at least one client computer[s] for receiving and displaying [said] the at least one of [said] the plurality of features from [said] the output printing device through [said] the network connection, and for receiving and displaying status of each of [said] the at least one of the print jobs sent to [said] the output printing device from [said] the client computer.

10 11. (Amended) A process for displaying and controlling a plurality of print jobs at at least one [or more] printing output device[s] and displaying information regarding [said] the at least one [or more] printing output device[s] at a computer, comprising [the steps of]:

receiving feature information from [said] at least one of the at least one [or
15 more] printing output device[s] at [said] the computer;

sending at least one of [said] the plurality of print jobs from a client computer to [said] the at least one [or more of said] printing output device[s];

receiving status information regarding [said] the sent at least one of [said] the [sent] plurality of print jobs from [said] the at least one [or more of said] 20 printing output device[s] at [said] the computer; [and]

displaying [said] the feature information and [said] the status information within a single application at [said] the computer; and

managing the at least one of the sent print jobs on the at least one printing output device within the single application at the computer.

12. (Amended) The process of Claim 11, wherein at least one of [said] the at
least one printing output device[s] is a printer.

5 13. (Amended) The process of Claim 11, wherein at least one of [said] the at
least one printing output device[s] is a copier printer.

14. (Amended) The process of Claim 11, wherein [said] the feature information
[is a] comprises paper input tray information.

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15. (Amended) The process of Claim 11, wherein [said] the feature information
[is a] comprises toner level information.

16. (Amended) The process of Claim 11, wherein [said] the feature information
15 [is a] comprises fuser level information.

17. (Amended) The process of Claim 11, wherein [said] the feature information
[is a] comprises paper output tray information.

20 18. (Amended) The process of Claim 11, wherein [said] the feature information
[is a] comprises output printing device service information.

19. (Amended) The process of Claim 11, further comprising [the step of]:

locating a print server between [said] the network and each of [said] the at least one output printing device[s], each of [said] the print servers capable of receiving [said] the print jobs from [said] the network and sending [said] the print jobs to [said] the output printing device, and capable of receiving [said] the at 5 least one of [said] the plurality of features from [said] the output printing device and sending [said] the received at least one of [said] the plurality of features through [said] the network connection to [said] the computer.

20. (Amended) The process of Claim 11, further comprising [the step of]:

10 providing [an] a client print server link at one or more of [said] the client computers, [said] the client print server link capable of receiving and displaying [said] the at least one of [said] the plurality of features from [said] the output printing device, and displaying [said] the status information regarding [said] the at least one of the print jobs sent to any of [said] the output printing devices at [said] 15 the client print server link.

Marked-Up Version to Show Changes to Specification

On page 2, line 26 of the Application as filed, after "options, linked" and before "the options button", please insert "to".

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On page 2, at the start of line 27 of the Application as filed, before "are specific to", please insert "which".

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"When a client user invokes the printing process at a client computer, a print driver is typically activated. The printer driver allows the user to select a union of print options from a superset of all available features for the specified printer. Within the print driver or PPD file, there is typically a list of options which the pre selected printer supports. For example, when a user hits a "Print" command from within a page layout program, such as XPress™, by Quark, Inc., the XPress™ print window displays options, linked to the options button within the print window, which are specific to the print or PPD file. The user is required to select these print options before sending the file to be printed from within the print selection window."

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On page 4, on line 19 to line 21 of the Application as filed, please delete the following sentence and paragraph:

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[Brad has not seen anything that brings in all this information, and puts it in one place, that allows the user to browse all this information on different devices, specific to the printing industry.]

Marked-Up Version to Show Changes to Abstract

**ADMINISTRATIVE PRINT SERVER LINK
FOR OUTPUT PERIPHERAL DEVICE**

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ABSTRACT OF THE DISCLOSURE

A client print server link is provided, which uses two-way communication between a client computer and a printing system typically [comprised of] having networked output devices and print servers. The client print server link provides detailed information regarding each print server and connected device within a printing system. The client print server link allows a client user at a client computer to access information and control each of their print jobs quickly and efficiently within a single application, without requiring the user to access a plurality of separate utilities. The client print server link groups and displays information that is relevant to print jobs sent by a single client user to one or more all connected print servers and output peripheral devices. An administrative print server link is also provided, which also uses two-way communication between a computer and a networked printing system. The administrative print server link provides detailed system information and control for multiple client users, print servers and output devices.